Index of Claims

÷

| Anni | ication/Control | Nο |
|------|------------------|------|
| ישאר | ioution, contion | 110. |

10/666,083 Examiner

Applicant(s)/Patent under Reexamination

PROKOPENKO ET AL.

Art Unit

Benjamin P. Geib

2181

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| Tell File | Cir | ıim. | Date | | | | | Claim Date | | | | | | | _ | | | | | | | |
|--|-------|----------|---------|----|--------|----------|--------|------------|--------|---|---|-----|-------|----------|--------|---|--|---|------|--------------|--|---|
| 1 V 51 52 3 V 55 53 4 V 55 56 5 V 55 56 7 V 57 58 9 V 59 59 10 V 60 61 11 V 62 63 13 V 63 63 14 V 66 66 16 V 66 66 17 V 66 66 17 V 66 66 16 V 66 66 17 V 66 67 18 V 68 69 20 V 70 71 22 V 77 72 23 V 75 72 26 76 77 78 226 76 76 77 | | 2(111 | - | г— | | <u>'</u> | Jall | <u> </u> | г – | 1 | Г | | Ulá | 2011 | | | | | Jall | " | | г |
| 1 | Final | Original | 2/27/06 | | | | | | | | | | Final | Original | | | | | | | | |
| 3 | | 1 | 1 | | Г | Π | Г | | | Π | Г | | | 51 | П | | | | | | | Γ |
| | | 2 | 1 | | | Г | Γ | | Г | Π | | il | | 52 | П | | | Г | Г | Г | | Γ |
| | | 3 | | | | | Π | | | | | H | | 53 | | | | | | П | | Γ |
| 6 V 7 V 8 V 9 V 110 V 111 V 121 V 62 62 133 V 144 V 65 63 15 V 66 64 177 V 18 V 68 68 19 V 20 V 21 V 221 V 223 V 24 V 25 V 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 86 37 89 39 89 40 90 41 91 42 92 | | 4 | 1 | | | Г | Г | | | | |] | | | | | | Г | | | | Γ |
| T | | 5 | 1 | | Γ | Г | Г | | Г | | | 1 1 | | 55 | П | | | | | | | Г |
| T | | 6 | 1 | | | | | | Π | Г | Π | ĺĺ | | 56 | \Box | | | | | | | Γ |
| 9 V 60 60 61 11 V 62 63 63 64 65 66 66 67 67 67 68 68 69 69 69 69 69 69 | | 7 | 1 | | | | Г | | Γ | | | 1 1 | | | | | | Π | | | | Γ |
| 10 | | 8 | 1 | | | П | | | | | | 1 1 | | 58 | | | | | | | | |
| 11 V | | 9 | V | | | | | | | | | li | | 59 | | - | | | | Г | | Γ |
| 12 \(\) | | | | | | | | | | | | | | | | | | | | | | |
| 13 \(\lambda \) | | | 1 | | Γ | П | Γ | | | | | | | 61 | | | | | | | | Γ |
| 14 | | | | | | | | | | | | | | 62 | | | | | | | | |
| 15 | | 13 | 1 | | | | | | | | |] | | | | | | | | | | |
| 16 | | 14 | | | | | | | | | | | | 64 | | | | | | | | |
| 17 | | 15 | 1 | | | Π | | | | Г | П | 1 1 | | | | | | _ | | | | |
| 18 \forall 19 \forall 19 \forall 19 \forall 10 \forall | | 16 | 1 | | | П | Г | | | | |] | | 66 | | | | | | | | Γ |
| 19 \(\) | | | | | | | | | | | |] | | | | | | | | | | |
| 20 \(\) | | | | | | | | | | | |] | | 68 | | | | | | | | Γ |
| 21 √ 22 √ 23 √ 24 √ 25 √ 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 98 | | | 1 | | | | | | | | |] | | | | | | | | | | Γ |
| The state of the | | 20 | | | | | | | | | | | | | | | | | | | | |
| 23 V 24 V 25 V 26 75 27 76 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 46 96 47 97 48 98 | | 21 | V | | | | Γ | | \Box | Γ | | | | 71 | | | | | | | | Γ |
| 24 | | | | | | | | | | | |] | | 72 | | | | | | | | |
| 25 V 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 99 | | | | | | Γ | | | | | |] | | . 73 | | | | | | | | |
| 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 99 99 99 | | | | | | Г | | | | | |] | | | | | | | | | | Γ |
| 27 28 77 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 99 99 99 | | | 1 | | | | | | | | | | | 75 | | | | | | | | |
| 28 78 29 80 30 81 31 82 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 49 99 | | | | | | | | | | | | | | | | | | | | | | |
| 29 79 30 80 31 81 32 83 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 49 99 | | 27 | | | | | | | | | | | | | | | | | | | | |
| 30 80 31 82 33 83 34 84 35 85 36 86 37 87 38 88 39 88 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | 28 | | | | | | | | | | | | | | | | | | | | Γ |
| 31 81 32 83 33 83 34 84 35 85 36 86 37 87 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 49 99 | | | | Г | | | | | | | |] | | | | | | | | | | Γ |
| 32 82 33 83 34 84 35 85 36 86 37 87 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 98 49 99 | | | | | | | | | | | |] | | | | | | | | | | Γ |
| 33 83 34 84 35 85 36 86 37 88 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | | | |] | | | | | | | | | | |
| 34 84 35 85 36 86 37 88 38 87 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 32 | | | | | | | | | | | | | | | | | | | | |
| 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 33 | | | | | | | | | | | | 83 | | | | | | | | |
| 36 86 37 88 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 34 | | | | | | | | | | | | | | | | | | | | Г |
| 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 35 | | | | Γ | Г | | Π | | | | | | | | | | | | | |
| 38 88 39 90 40 91 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | | | | | | | | | | | | | | |
| 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 37 | | | | | П | | | | | | | 87 | | | | | | | | Γ |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 38 | | | | | | | | | | | | 88 | | | | | | | | Γ |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 39 | | | | | | | | | П | | | | | | | | | | | Γ |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | | | | | | | | | | | | | | Γ |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | Γ | | Γ | | | | | | | 91 | | | | | | | | Γ |
| 44 94 45 95 46 96 47 97 48 98 49 99 | | 42 | | | T | | | | | | | | | 92 | | | | Γ | | | | Γ |
| 45 95 96 96 97 97 97 98 99 99 99 99 | | 43 | | | | | | | | | | | | 93 | | | | 匚 | | | | Ĺ |
| 46 | | | | | | | | | | | | | | | | | | | | | | Ĺ |
| 46 | | | | | | | \Box | | | | | | | | | | | | | | | Ĺ |
| 47 | | 46 | | | | L^{T} | | | | | L | | | 96 | | | | | L | | | Ĺ |
| 48 98 99 | | 47 | | | \Box | | | | | | | | | 97 | | | | | | | | Ĺ |
| | | 48 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Ĺ | | | | L | | | 99 | | | | | | 匚 | | Ĺ |
| <u> </u> | | 50 | | | | | | | | | | | | 100 | | | | | | | | Ĺ |

| Claim | | | | | | Date | 9 | | | |
|----------|----------------|----------|----------|-------|----------|--------------------|--------------------|---------------|--------------|--|
| | | | | | | | | | | |
| <u>m</u> | ina | | | | | | | | | |
| Final | Original | | | | | | | | | |
| | 0 | | | | | | | | | |
| - | 51 | | | Г | | | | | | |
| <u> </u> | 52 | \vdash | _ | Н | \vdash | \vdash | \vdash | | _ | |
| | 52 53 | _ | | - | \vdash | | \vdash | | _ | _ |
| \vdash | 54 | _ | _ | ┢ | \vdash | _ | _ | | _ | _ |
| | 55 | | _ | | _ | | \vdash | | | |
| _ | 55 56 | | _ | _ | _ | | _ | _ | | |
| | 57 | \vdash | | - | \vdash | _ | - | <u> </u> | | |
| | 58 | | | H | | | | | | |
| | 58 59 | | | | | | | | _ | |
| | 60 | | | Т | | _ | _ | $\overline{}$ | | |
| | 61 | | - | Г | | | | | | |
| | 61 62 | | \vdash | Т | Ι | | | \vdash | | - |
| | 63 | П | | Н | Н | Н | | | | |
| | 63 64 65 | | \vdash | | | Г | П | Т | \vdash | |
| | 65 | | | | П | П | | | \vdash | \vdash |
| | 66 67 | | \vdash | Г | | | | \vdash | | <u> </u> |
| <u> </u> | 67 | | | | | | | | | |
| | 68 | | \vdash | | | | | | _ | |
| | 68 69 | _ | \vdash | _ | | | _ | | | - |
| | 70 | | | Г | Т | | | | | |
| | 71 | - | | Г | | | | | | |
| | 72 | | | - | | | | | | |
| | 71 72 73 | | Г | | | | | | | _ |
| | 74 75 | | \vdash | | \vdash | | _ | | | _ |
| | 75 | Г | | | | | | | | |
| | 76 77 | | | | | | | | | |
| | 77 | | | | | | | | | |
| | 78 | | | | | | | | | |
| | 79 | | | | | | | | | |
| | 78 79 80 | | | | | | | | | |
| | 81 | | | | | | | | | |
| | 82 | | | | | | | | | |
| | 82 83 | | | Г | | | | | | |
| | 84 | | | | | | | | | |
| | 85 | | | | | | | | | |
| | 86 | | | | | | | | | |
| | 87 | | | | | | | | | |
| | 88 | | | | | | | | | |
| | 89 | | | | | | | | | |
| | 90_ | | \Box | | | | | | | |
| | 91 | | | | | | | | | |
| | 92 | | | 匚 | | | | L | L | |
| | 93 | | | | | | | | | |
| | 94 | | | 匚 | | | | | | ــــــــــــــــــــــــــــــــــــــ |
| | 95 | | | 匚 | | L_ | | | | |
| | 96 | | \Box | | | | | | $oxed{oxed}$ | |
| | 97 | | | تـــا | <u> </u> | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$ | | L | <u> </u> |
| | 98 | | | 匚 | | | | | | |
| | 99 | | | L | | <u> </u> | <u>_</u> | L | | |
| 1 | 100 | Ι - | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |

| Cli | aim | | | | 1 | Date | | | | |
|--------------|--|--------------|--|--------------|--|--------------|--|----------|----------|-----------------|
| | | | | | | | | | | |
| Final | Original | | | | | | | | | |
| ᇤ | .Ē | | | | | | | | | |
| _ ! | 0 | | | | | | | | | |
| | 101 | ┝ | | | \vdash | - | | _ | | \vdash |
| | 101 102 | ┝ | - | - | - | - | - | - | _ | H |
| | 102 | | | \vdash | | | ⊢ | | - | Н |
| | 103 | - | _ | - | <u> </u> | - | - | - | _ | Н |
| | 103 104 105 | | - | | ┝ | | - | | | \vdash |
| | 100 | \vdash | \vdash | - | <u> </u> | H | _ | _ | _ | Н |
| | 106 | | | - | - | H | <u> </u> | | _ | Н |
| | 107 108 | | | <u> </u> | | - | - | _ | | \vdash |
| | 108 | _ | _ | | <u> </u> | _ | <u> </u> | _ | _ | Н |
| | 109 | | <u> </u> | _ | <u> </u> | L | <u> </u> | _ | | Н |
| | 110 | _ | <u> </u> | | ļ | _ | <u> </u> | _ | | Н |
| | 109 110 111 | <u> </u> | L | <u> </u> | <u> </u> | L | <u> </u> | | <u> </u> | Ц |
| | 112 | <u> </u> | | | <u> </u> | $oxed{oxed}$ | <u> </u> | Щ. | L | Ш |
| | 112 113 114 115 | $oxed{oxed}$ | _ | <u> </u> | <u> </u> | $oxed{oxed}$ | <u> </u> | <u> </u> | L | Ш |
| ļ | 114 | | | | | | | Щ. | | Ш |
| | 115 | L | L | L | | | | | | Ш |
| | 1116 | | | | | | <u> </u> | _ | | \bigsqcup |
| | 117 118 119 | | | | | | | | | |
| | 118 | | | | | | | | | П |
| | 119 | | | | | | П | | Г | П |
| | 120 | Г | | | | | | | | П |
| | 121 | | | Г | | | | | | П |
| | 122 | | | ┢ | | | | \vdash | - | М |
| | 123 | - | _ | _ | _ | \vdash | | Н | \vdash | Н |
| | 120 121 122 123 124 125 126 127 | - | | \vdash | ┢ | \vdash | \vdash | \vdash | ┢ | Н |
| | 125 | ┢ | _ | ┢ | <u> </u> | ┢ | ┢ | ┢ | - | Н |
| | 126 | | _ | - | - | H | \vdash | \vdash | \vdash | Н |
| - | 127 | - | - | - | _ | ⊢ | - | ⊢ | ⊢ | Н |
| | 120 | - | \vdash | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 128 129 130 | - | - | ⊢ | - | ├ | ├- | ┢ | <u> </u> | Н |
| | 129 | ⊢ | - | ⊢ | - | - | \vdash | \vdash | - | Н |
| | 130 | ⊢ | ├ | ├- | <u> </u> | | - | <u> </u> | - | Н |
| | 131 132 | <u> </u> | _ | <u> </u> | _ | <u> </u> | <u> </u> | _ | <u> </u> | Н |
| | 132 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | Ш |
| | 133 | <u> </u> | _ | L_ | <u> </u> | _ | | _ | _ | Ш |
| | 133 134 135 | <u> </u> | <u> </u> | <u> </u> | | <u>_</u> | _ | _ | <u> </u> | Ш |
| | 135 | <u> </u> | <u> </u> | L. | L_ | | <u> </u> | _ | | Ш |
| | 136 137 138 | 匚 | <u> </u> | $oxed{oxed}$ | | <u></u> | _ | | <u></u> | Ш |
| | 137 | <u>L</u> | | | | 匚 | _ | _ | L | Ш |
| | 138 | | | $oxed{\Box}$ | | | L | L | L | Ш |
| | 139 140 | | L | L | L | | | | | |
| | 140 | | L | | | | | L | | |
| | 141 | | | | | | | | | |
| | 142 | | | | | | | | | П |
| | 143 | Г | T- | П | Г | Г | Π | | | |
| | 144 | | | 1 | | Г | | | | П |
| - | 145 | \vdash | \vdash | \vdash | \vdash | | 1 | \vdash | | H |
| \vdash | 146 | - | | | | \vdash | | _ | \vdash | H |
| | 147 | \vdash | | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 148 | \vdash | \vdash | \vdash | \vdash | - | | \vdash | - | Н |
| <u> </u> | 149 | | \vdash | \vdash | \vdash | - | - | \vdash | - | $\vdash \vdash$ |
| | 149 | | <u> </u> | | ⊢ | - | — | ├- | \vdash | Н |
| Ц | 150 | Ц_ | | _ | Ц. | Щ | <u></u> | | L | Ш |